

Title (en)
MAGNETIC SENSOR

Title (de)
MAGNETISCHER SENSOR

Title (fr)
CAPTEUR MAGNETIQUE

Publication
EP 1206763 A4 20050420 (EN)

Application
EP 00959490 A 20000826

Priority

- US 0023558 W 20000826
- US 15122099 P 19990826
- US 15142499 P 19990826

Abstract (en)
[origin: WO0115110A1] A magnetic sensor (10) comprises at least one first coil (42) and at least one magnetic sensing element (5), operatively connected to respective first (48) and second (52) locations of a body of a vehicle (12) and to a ferromagnetic element of the body. The first (48) and second (52) locations are distinct from one another and are in magnetic communication through a first portion (30) of the vehicle (12) and through a second portion (32) of the vehicle (12), wherein the first portion (30) of the vehicle (12) comprises a portion of the body that is susceptible to deformation by a crash, and the first portion (30) is distinct from the second portion (32). At least one signal (44) is applied to the at least one first coil (42), and the at least one magnetic sensing element (50) generates a second signal responsive thereto, from which a crash is discriminated.

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CPC (source: EP US)
B60R 21/0136 (2013.01 - EP US); **B60R 21/0134** (2013.01 - EP US); **B60R 2021/01027** (2013.01 - EP US)

Citation (search report)

- [X] US 5767766 A 19980616 - KWUN HEGEON [US]
- [PA] US 6039345 A 20000321 - CECH LEONARD S [US], et al
- See also references of WO 0115110A1

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